Product Evaluation

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: DR-857

Effective Date: June 1, 2017
Re-evaluation Date: June 2021

Product Name: Aluminum Clad Wood StormForce French Sliding Glass Doors, Impact Resistant

Manufacturer: Loewen Windows
77 Highway 52 West
Steinbach, Manitoba
Canada R2G 1B2
(800) 563-9367

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Aluminum Clad Wood StormForce French Sliding Glass Doors; XO	LC-PG55 94 x 106-SD Missile Level D	+55/-55 psf

Component Dimensions:

System	Overall Size	Operable Panel Size	Fixed Panel Glass Daylight Opening Size
1	94-1/2" x 106-5/16"	47-9/16" x1039"	38-7/8" x 90-13/16"

Product Identification (Certification Agency Label on Door):

System		
1	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Loewen Windows
	Product Name	Aluminum Clad Wood StormForce Sliding Glass Door
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA/WDMA/CSA 101/I.S.2/A440-05 ASTM E 1886-02/05, ASTM E 1996-02/05 Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1	Yes	These products satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

Installation (One of the following):

Nail Fin Installation: Use minimum Spruce-Pine-Fir dimension lumber. Secure the door assembly to the wall framing using the nail fin along the head and side jambs with minimum No. 8 self-tapping screws. Locate the fasteners approximately 3-1/2" from each corner and approximately 6" on center along the head, sill, and side jambs. The sill was additionally secured with minimum No. 10 x 3" screws located approximately 6" from each side jamb, and three located 3" apart on each side of the mid span. The head was additionally secured with minimum No. 10 x 3" screws with two located on either side of the mid span, spaced 3" apart. Use fasteners long enough to penetrate a minimum of 1-1/2" into the framing.

Frame Installation: Use minimum Spruce-Pine-Fir dimension lumber. Secure the door assembly to the wall framing using the frame of the assembly with minimum No. 10 x 3" screws. Along the side jambs, locate the fasteners approximately 6" from each corner and approximately 15-3/4" on center. The sill and the head are secured with fasteners located approximately 6" and 23" from each side jamb and three located 3" apart on each side of the mid span. The head was additionally secured with minimum No. 10 x 3" screws with two located on either side of the mid span, spaced 3" apart. Use fasteners long enough to penetrate a minimum of 1-1/2" into the framing.

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.